



1/5

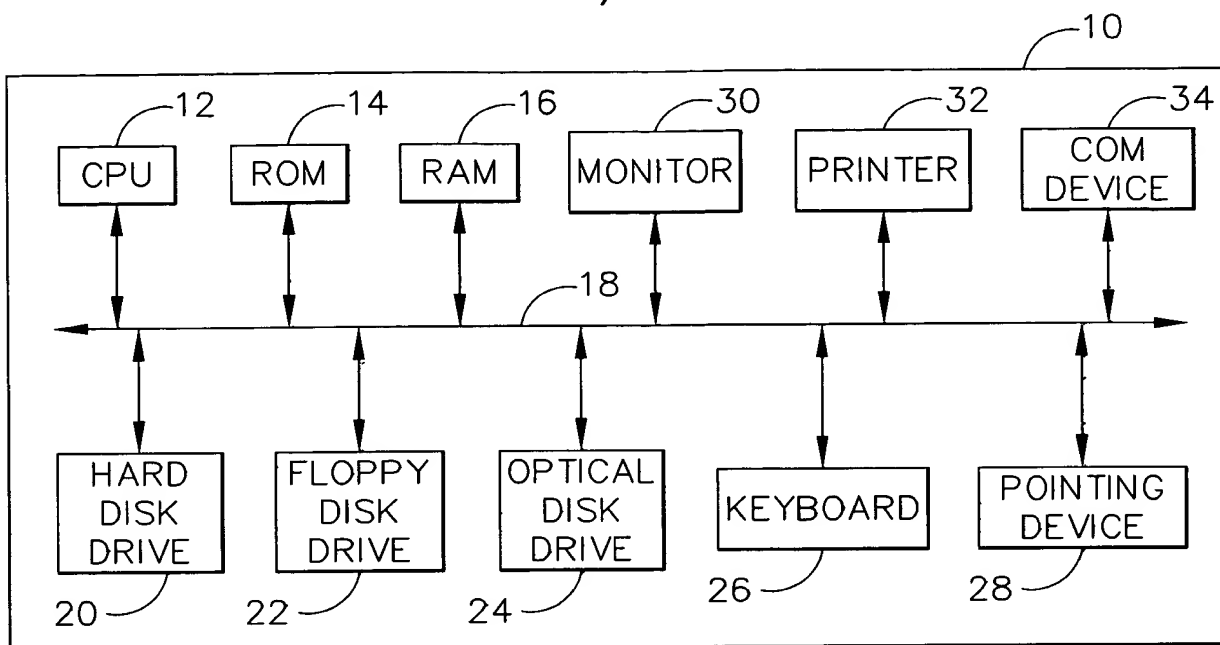


FIG. 1

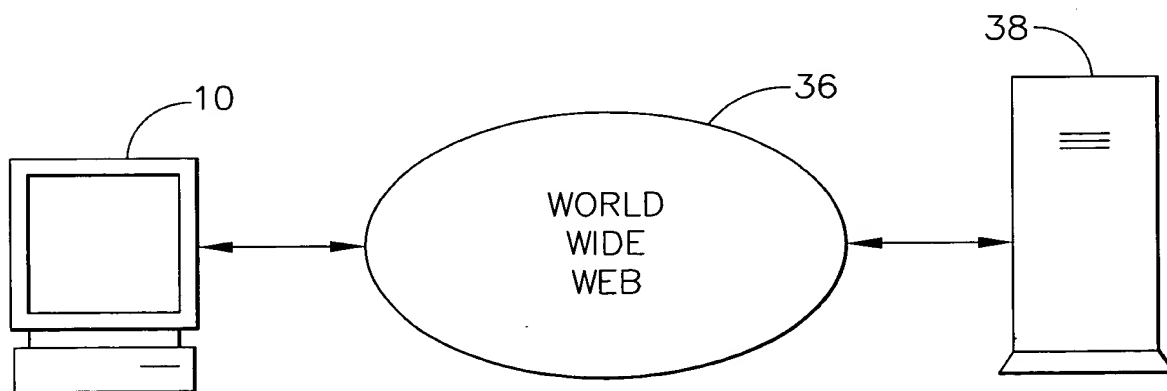
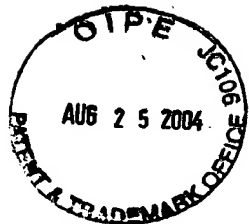


FIG. 2



AUTOMATED ULTRASONIC INSPECTION PLANNING  
INVENTOR: ALLEN A. KLASSEN et al.  
SN: 09/685,260  
ATTY: ROBERT B. REESER, III; PHONE: (314) 621-5070  
ARMSTRONG TEASDALE LLP.

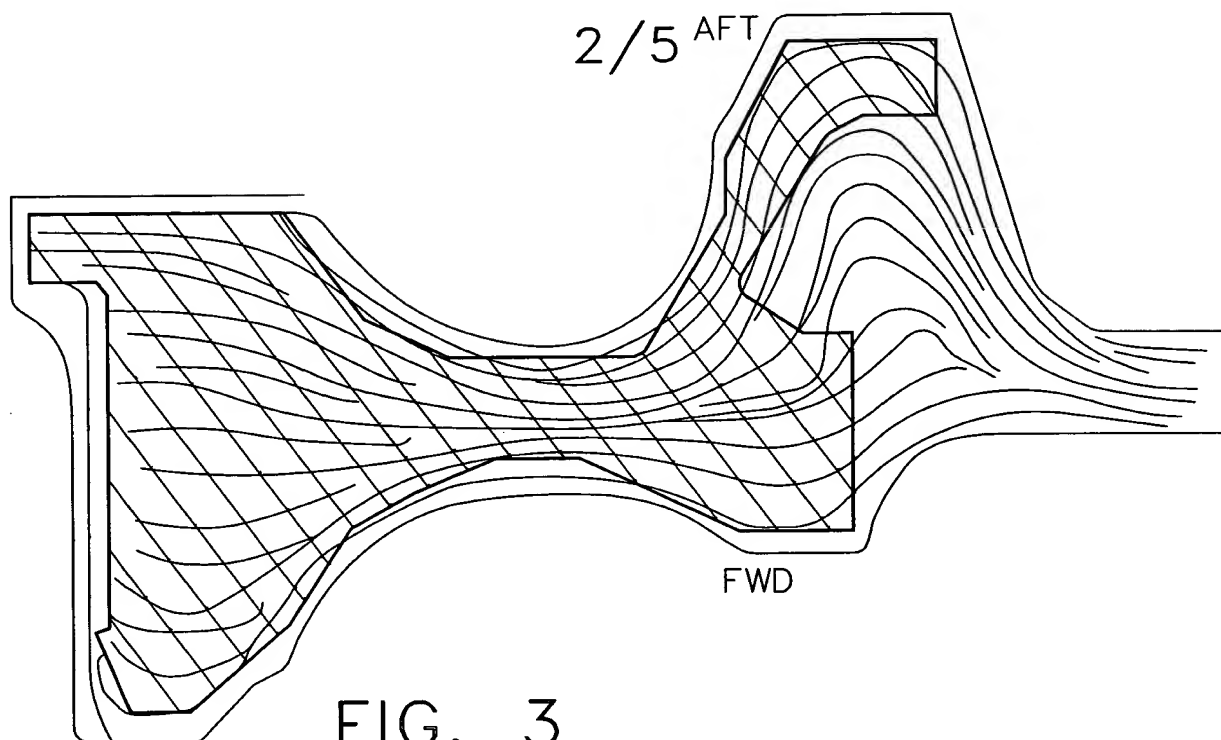


FIG. 3

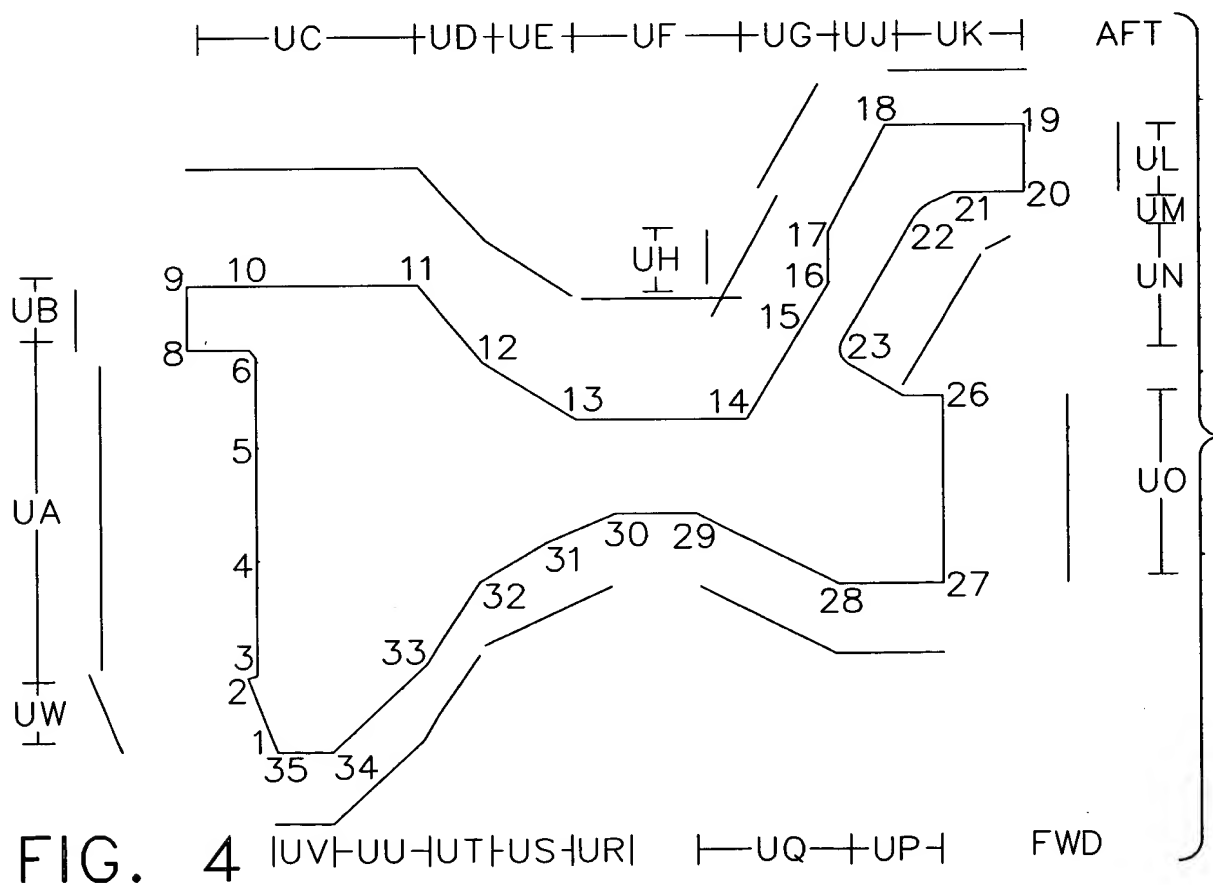
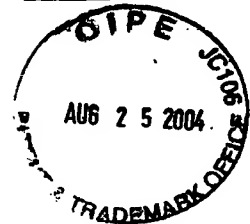


FIG. 4



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	A	B	C	D	E	H	I	J	K	L
1	ADMINISTRATIVE DATA									
2										
3	PART NO.		PART NAME		MATERIAL		INSPECT SOURCE			
4	PLANNING NO.		SONIC SHAPE		FORGING		FORGING SOURCE			
5										
6	APPLICABLE REQUIREMENTS AND PROCEDURES									
7										
8										
9										
10										
11	LOCAL DATA									
12	PLANNING FILE		BROWSE	SCANLINE FILE		BROWSE	REV SHEET		BROWSE	
13										
14	TRANSDUCER CHARACTERISTICS									
15	ZONE	SERIAL #	-2dB BEAM	-3dB BEAM	WATER PATH	GATE START	GATE END			
16										
17										
18										
19										
20										
21										
22										
23										
24										

40 INSTRUCTIONS INPUT

42 ADD ROW

44 BROWSE

46 ADD ROW

FIG. 5

	A	B	C	D	E	F	G	H	I	J	K	L
25	PART CROSS SECTION											
26												
27	PART NO.	RADIUS	HEIGHT	CONTOUR RADIUS	AREA	MINIMUM ENVELOPE						
28												
29												
30												
31												
32												
33												
34												
35												
36												
37												
38												
39												
40												
41												
42												
43												
44												
45												
46												
47												
48												

40 INSTRUCTIONS INPUT

48 ADD ROW

FIG. 6



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	A	B	C	D	E	H	I	J	K	L
49	ENTER ADDITIONAL NOTES HERE:									
50	<div></div>									
51										
52										
53										
54										
55										
56	INSPECTION AREA AND REJECT CRITERIA									
57										
58	AREA	LONG 1	LONG 2	LONG 3	LONG 4	LONG 5	LONG 6	LONG 7		
59										
60										
61										
62										
63										
64										
65										
66										
67										
68										
69										
70										
71										
72										

INSTRUCTIONS INPUT

ADD ROW 50

ADD ROW 52

40

FIG. 7

	A	B	C	D	E	F	G	H	I	J	K	L
73	SCAN PLAN											
74												
75	SCAN		ZONE		START POINT		END POINT		-2 OR -3dB			
76												
77												
78												
79												
80												
81												
82												
83												
84												
85												
86												
87												
88												
89												
90												
91												
92	ADDITIONAL INPUTS											
93	<div></div>											
94												
95												
96												
INSTRUCTIONS INPUT												
40												
56												
58												
60												
62												
DELETE ROWS												
GEN. OUTPUT												
48												
ADD ROW												

FIG. 8



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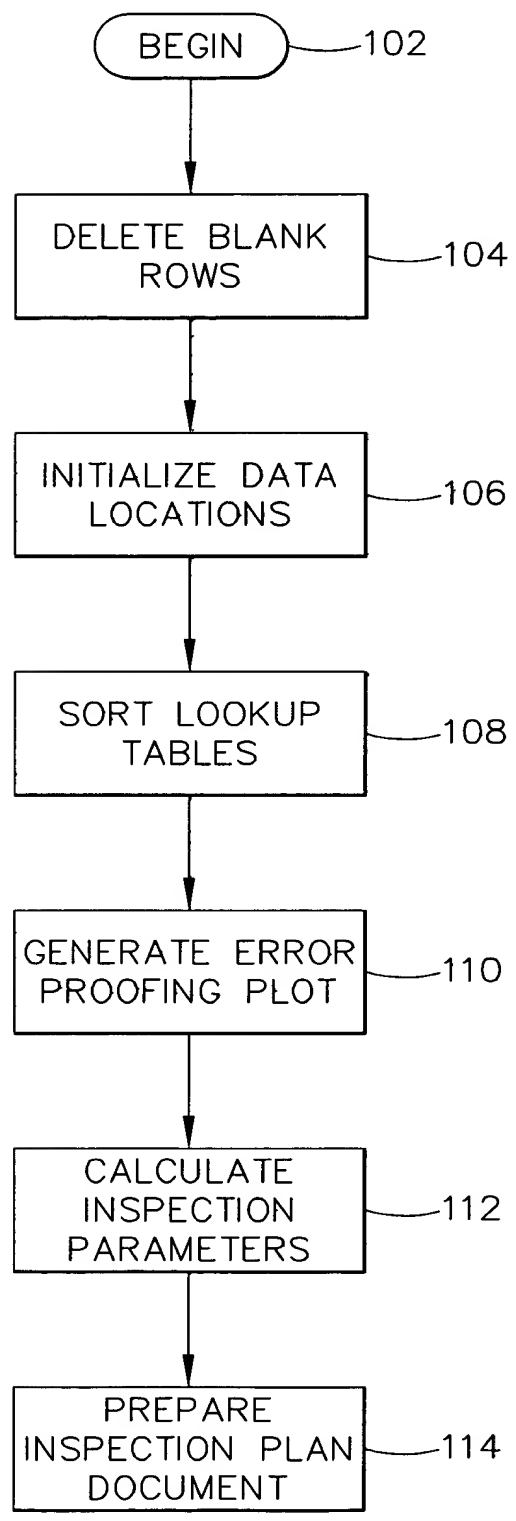


FIG. 9